

App. No. 10/702,202
Amendment A

Amendments to the Claims

Claim 1 (original): A cathode plate of a field emission display comprising:
a cathode substrate of the field emission display; and
a plurality of emitter lines formed on the cathode substrate.

Claim 2 (original): The cathode plate of Claim 1 further comprising a plurality of linear isolation barriers attached to the cathode substrate, wherein the plurality of linear isolation barriers separate a respective one or more of the plurality of emitter lines from others of the plurality of emitter lines.

Claim 3 (original): The field emission display of Claim 2 wherein the linear isolation barriers are adapted to contact a plurality of gate wires of a gate frame and dampen vibrations from a driving frequency.

Claim 4 (original): The cathode plate of Claim 2 wherein each one of the plurality of emitter lines is positioned between a respective two of the plurality of linear isolation barriers.

Claim 5 (original): The cathode plate of Claim 2 wherein the plurality of linear isolation barriers comprise a plurality of ribs.

Claim 6 (original): The cathode plate of Claim 1 further comprising a plurality of in-laid isolation barriers

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formed with a depth of a top surface of the cathode substrate, wherein each one or more of the plurality of emitter lines is formed within a respective one of the plurality of in-laid isolation barriers.

Claim 7 (original): The cathode plate of Claim 6 wherein portions of the top surface of the cathode substrate in between respective ones of the plurality of in-laid linear isolation barriers are adapted to contact a plurality of gate wires of a gate frame and dampen vibrations from a driving frequency.

Claim 8 (original): The cathode plate of Claim 6 wherein each one of the plurality of emitter lines is positioned within the respective one of the plurality of in-laid isolation barriers.

Claim 9 (original): The cathode plate of Claim 6 wherein the plurality of in-laid isolation barriers comprises a plurality of trenches.

Claim 10 (original): The cathode plate of Claim 1 further comprising an alignment barrier attached to the cathode substrate for positionally aligning other components of the field emission display on the cathode substrate.

Claim 11 (original): The cathode plate of Claim 1 wherein the plurality of emitter lines each comprise a substantially smooth layer of electron emitting material formed on the cathode substrate.

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Claim 12 (original): The cathode plate of Claim 1 wherein the plurality of emitter lines each comprise a plurality of conical emitters deposited closely together in a linear fashion on the cathode substrate.

Claim 13 (original): The cathode plate of Claim 1 wherein the plurality of emitter lines each comprise a plurality of emitter portions deposited on a surface of the cathode substrate, wherein there is no separating structure positioned in between adjacent emitter portions on the surface of the cathode substrate.

Claim 14 (original): The cathode plate of Claim 1 wherein the plurality of emitter lines each comprise a continuous line of deposited emitter material extending across the cathode substrate.

Claims 15-44 (canceled)